

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Cyrus F. Bharucha (Registration No. 42, 324) on 09/11/2009.

The application has been amended as follows:

In the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-58. (Canceled)

59. **(Currently amended)** A system comprising:

one or more processors;

a memory coupled to the one or more processors and storing code executable by the one or more processors to execute a process that interacts with a plurality of applications of a plurality of types of applications;

a plurality of application service interfaces configured to be executed on the one or more processors, each application service interface being configured to interface with a corresponding application among the plurality of applications;

a plurality of translation circuits comprising one translation circuit for (a) each of the plurality of application service interfaces and (b) each of a plurality of integration servers that facilitates data exchange among the applications, each translation circuit being configured to allow communication between a corresponding application service interface and a corresponding application on a corresponding integration server, and configured to provide an independence for the applications from the integration servers; and

a plurality of common service interfaces configured to be executed on the one or more processors, each common service interface being configured to communicate with the process and with two or more of the application service interfaces that interface with a corresponding type of application among the plurality of types of applications.

60. (Previously presented) The system of claim 59, wherein a first one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of a Customer Relationship Management type.

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61. (Previously presented) The system of claim 60, wherein a second one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of an Enterprise Resource Planning type.

62. (Previously presented) The system of claim 60, wherein a second one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of an Employee Relationship Management type.

63. (Previously presented) The system of claim 59, wherein the process is configured to interface with the common service interfaces so that the process is independent of the particular applications among the plurality of applications and independent of an integration environment that facilitates data exchange among the applications.

64. (Previously presented) The system of claim 63, wherein the integration environment is provided by an integration server.

65. (Previously presented) The system of claim 59, wherein a first one of the application service interfaces and a first one of the common service interfaces are used by a first application among the plurality of applications to access a service of the process and for the process to access services of the first application.

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66. (Previously presented) The system of claim 59, wherein the process is among a plurality of processes that interact with the plurality of applications, and the memory stores codes executable by the one or more processors to execute the plurality of process.

67. (Canceled)

68. (Currently amended) The system of ~~claim 67~~ claim 59, further comprising:
a plurality of transform circuits comprising one transform circuit for each of the plurality of application service interfaces, each translation circuit being configured to allow communication between a corresponding application service interface and a corresponding common service interface, wherein each of the transform circuits is usable with the plurality of integration servers.

69. (Currently amended) A method comprising:

receiving data from a first application through:

a first translation circuit configured to interface with the first application
through a first integration server interface,

a first application service interface among a plurality of application service interfaces, wherein

the first application service interface is configured to interface with the

first ~~application~~ translation circuit,

the first application is of a first type of application among a plurality of types of applications,

the first translation circuit is configured to provide an independence for the first application from the first integration server interface, and

the receiving comprises storing the data in a computer memory, and
a first common service interface among a plurality of common service interfaces,
wherein

the first common service interface is configured to communicate with two or more of the application service interfaces that interface with two or more corresponding applications of the first type; and

transmitting the data to a second application through:

a second common service interface among the plurality of common service interfaces, wherein

the second common service interface is configured to communicate with two or more of the application service interfaces that interface with two or more corresponding applications of a second type of application among the plurality of types of applications,

the transmitting is performed using a processor coupled to the computer memory, and

a second application service interface among the plurality of application service interfaces, wherein

the second application service interface is configured to interface with the second application, and

the second application is of the second type of application.

70. (Previously presented) The method of claim 69, wherein a first one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of a Customer Relationship Management type.

71. (Previously presented) The method of claim 69, wherein a second one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of an Enterprise Resource Planning type and a third one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of an Employee Relationship Management type.

72. (Previously presented) The method of claim 69, wherein communication through the first and second application service interfaces and through the first and second common service interfaces is independent of the first and second applications and independent of an integration environment that facilitates data exchange among the applications.

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73. (Previously presented) The method of claim 72, wherein the integration environment is provided by an integration server.

74. (Previously presented) The method of claim 69, wherein the first application service interface and the first common service interface are used by the first application to access a service of a process and for the process to access services of the first application.

75. (Previously presented) The method of claim 74, wherein the process is among a plurality of processes that interact with the first and second applications.

76. **(Canceled)**

77. **(Currently amended)** The method of ~~claim 76~~ **claim 69**, further comprising:
receiving the data through:

a first transform circuit configured to allow communication between the first application service interface and the first common service interface,
wherein the first transform circuit is usable with a plurality of types of integration servers.

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78. (Previously presented) The method of claim 77, further comprising:

transmitting the data through:

a second transform circuit configured to allow communication between the second application service interface and the second common service interface, wherein the second transform circuit is usable with the plurality of types of integration servers, and

a second translation circuit configured to interface with the second application service interface and with the integration server, and configured to provide an independence for the second application from the integration server.

79. **(Currently amended)** A system comprising:

a computer server;

means for receiving data from a first application being executed on the computer server through:

a first translation circuit configured to interface with the first application through a first integration server interface,

a first application service interface among a plurality of application service interfaces, wherein

the first application service interface is configured to interface with the first ~~application~~ **translation circuit**, and

the first application is of a first type of application among a plurality of types of applications,

the first translation circuit is configured to provide an independence for the first application from the first integration server interface, and

a first common service interface among a plurality of common service interfaces, wherein

the first common service interface is configured to communicate with two or more of the application service interfaces that interface with two or more corresponding applications of the first type; and

means for transmitting the data to a second application through:

a second common service interface among the plurality of common service interfaces, wherein

the second common service interface is configured to communicate with two or more of the application service interfaces that interface with two or more corresponding applications of a second type of application among the plurality of types of applications, and

a second application service interface among the plurality of application service interfaces, wherein

the second application service interface is configured to interface with the second application, and

the second application is of the second type of application.

80. (Previously presented) The system of claim 79, wherein a first one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of a Customer Relationship Management type.

81. (Previously presented) The system of claim 79, wherein a second one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of an Enterprise Resource Planning type and a third one of the common service interfaces is configured to communicate with two or more application service interfaces for applications of an Employee Relationship Management type.

82. (Previously presented) The system of claim 79, wherein communication through the first and second application service interfaces and through the first and second common service interfaces is independent of the first and second applications and independent of an integration environment that facilitates data exchange among the applications.

83. (Previously presented) The system of claim 82, further comprising an integration server that provides the integration environment.

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84. (Previously presented) The system of claim 79, wherein the first application service interface and the first common service interface are used by the first application to access a service of a process and for the process to access services of the first application.

85. (Previously presented) The system of claim 84, wherein the process is among a plurality of processes that interact with the first and second applications.

86. **(Canceled)**

87. **(Currently amended)** The system of ~~claim 86~~ claim 79, further comprising:
means for receiving the data through:

a first transform circuit configured to allow communication between the first application service interface and the first common service interface,
wherein the first transform circuit is usable with a plurality of types of integration servers.

88. (Previously presented) The system of claim 87, further comprising:

means for transmitting the data through:

a second transform circuit configured to allow communication between the second application service interface and the second common service interface, wherein the second transform circuit is usable with the plurality of types of integration servers, and

a second translation circuit configured to interface with the second application service interface and with the integration server, and configured to provide an independence for the second application from the integration server.

89. **(Currently amended)** A computer readable storage medium having encoded thereon instructions executable by a processor to perform acts of:

receiving data from a first application through:

a first translation circuit configured to interface with the first application through a first integration server interface,

a first application service interface among a plurality of application service interfaces, wherein

the first application service interface is configured to interface with the first ~~application~~ **translation circuit**, **[[and]]**

the first application is of a first type of application among a plurality of types of applications, and

the first translation circuit is configured to provide an independence
for the first application from the first integration server
interface, and

a first common service interface among a plurality of common service interfaces,
wherein

the first common service interface is configured to communicate with two
or more of the application service interfaces that interface with two
or more corresponding applications of the first type; and

transmitting the data to a second application through:

a second common service interface among the plurality of common service
interfaces, wherein

the second common service interface is configured to communicate with
two or more of the application service interfaces that interface with
two or more corresponding applications of a second type of
application among the plurality of types of applications, and

a second application service interface among the plurality of application service
interfaces, wherein

the second application service interface is configured to interface with the
second application, and

the second application is of the second type of application.

REASONS FOR ALLOWANCE

Claims 59-66, 68-75, 77-86, and 87-89 are allowed.

The following is an examiner's statement of reasons for allowance:

Interpreting the claims in light of the specification, Examiner finds the claimed invention is patentably distinct from the prior art of record.

The prior art does not expressly teach or render obvious the invention as recited in independent Claims 1 and 43.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Contact Information

Any inquiry or a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: (571) 272-2100.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM-6:00PM. The examiner can also be reached on alternative Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, HYUNG S. SOUGH can be reached at (571) 272-6799.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VAN H NGUYEN/

Primary Examiner, Art Unit 2194